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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/677,651      | 10/03/2000  | Masahiko Kitayama    | 07136-00002(1-BE-2) | 5472             |

7500 01/23/2003

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EXAMINER

LEE, BENNY T.

ART UNIT

PAPER NUMBER

2817

DATE MAILED: 01/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE  
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| SERIAL NUMBER | FILING DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NO. |
|---------------|-------------|-----------------------|---------------------|
|               |             |                       |                     |

| EXAMINER |              |
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| ART UNIT | PAPER NUMBER |
|          | 5            |

DATE MAILED:

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

☐ This application has been examined ☒ Responsive to communication filed on 30 Oct 2002 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Two (2) month(s), days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892.       | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                  |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449             | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474 | 6. <input type="checkbox"/> _____   |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-16 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☒ Claims 1-3; 4-16 are allowed.
4. ☐ Claims \_\_\_\_\_ are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.
8. ☐ Allowable subject matter having been indicated, formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. These drawings are ☐ acceptable;  
☐ not acceptable (see explanation).
10. ☐ The ☐ proposed drawing correction and/or the ☐ proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☒ The proposed drawing correction, filed 30 Oct 2002, has been ☒ approved. ☐ disapproved (see explanation). However, the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO EFFECT DRAWING CHANGES", PTO-1474.
12. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
13. ☒ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

SN 677631

Art Unit 2817

### **DETAILED ACTION**

This application is in condition for allowance except for the following formal matters:

#### **In the Specification:**

The disclosure is objected to because of the following informalities: Page 5, line 13, note that "4A-B" should be rewritten as --4A-4B--. Page 7, lines 1 & 2, note that the specification's reference to "figure 3" (l. 1) and "figure 1" (l. 2) does not appear consistent with the corresponding "figure 5" labeling where the solid line is reference with respect to "Fig. 4" (and not Figure 3 as per the specification) and the dashed line is reference with respect to "fig. 2" (and not Figure 1 as per the specification). Appropriate correction is required.

The disclosure is objected to because of the following informalities: In the specification descriptions of Figs. 1, 2, 6, 7A, 7B, 7C, 7D, 7E, 7F, 7G, 7H, 7J, 7K, 8A, 8B, note that further elaboration as to the specific nature of equivalent circuit schematics, as well as the particular physical structure (including any reference labels associated therewith) should be provided herewith for the indicated drawing figures. Appropriate correction is required.

#### **In the Drawings:**

The drawings are objected to because it is again requested that in Fig. 4B, reference labels (1, 2, 3, 4) be added to the drawing figure such as to be consistent with the labeling provided at page 6, third full paragraph of the specification. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Art Unit: 2817

**In the Claims:**

In claim 1, line 10, note that "remaining two" should be rephrased as --remaining holes-- for a proper characterization; line 13, note that "said each" should be rephrased as --each of said-- for a proper characterization; lines 27, 28, note that "said offset hole has a pattern of conductive material surrounding said hole" should be deleted since this recitation is redundant given that "each hole" already has been defined by a surrounding conductive material; line 33, note that --a-- should precede "capacitance" & --is provided-- should follow "C1"; lines 34, 35, note that "where C1 is the ... of conductive material" should be deleted in its entirety as being unnecessary; line 40, note that "is provided" should follow "pattern" for clarity.

In claim 4, note that "hole's center is" should be rephrased as --hole has a center which is-- for clarity.

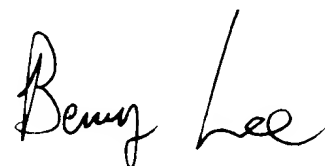
In claim 13, line 2, note that "is after a " should be rephrased for a better characterization

In claim 14, note that --non-offset-- should follow "three" for a proper characterization

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 308 4902

A handwritten signature in cursive script that reads "Benny Lee". The signature is written in dark ink and is located in the bottom right corner of the page.